

BRADY B-7573 MATTE WHITE POLYESTER LABEL STOCK

TDS No. B-7573

Effective Date: 03/19/2019

Description:

GENERAL

Print Technology: Thermal transfer

Material Type: Polyester

Finish: Matte

Adhesive: Permanent acrylic

APPLICATIONS

Under-the-bonnet labeling, asset identification, name- face- and rating-plates identification, chemical drum labeling, etc.

RECOMMENDED RIBBONS

Brady Series R6400

REGULATORY APPROVALS

For information on the Weee-RoHS compliance status for a Brady Product go to one of the following websites:

In Canada: www.bradycanada.ca/weee-rohs

In Europe: www.bradyeurope.com/rohs

In Japan: www.brady.co.jp/products/labelsuse/rohs

All other regions: www.bradyid.com/weee-rohs

SPECIAL FEATURES

B-7573 is designed to withstand numerous solvents and fluids common to the automotive industry

Details:

PHYSICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Thickness	ASTM D 1000 - Substrate - Adhesive - Total (excluding liner)	0.060 mm (0.0024 inch) 0.030 mm (0.0011 inch) 0.090 mm (0.0035 inch)
Adhesion to Stainless Steel	ASTM D 1000 20 minute dwell 24 hour dwell	79 N/100 mm (72 oz/in) 89 N/100 mm (81 oz/in)
Polyethylene	20 minute dwell 24 hour dwell	53 N/100 mm (48 oz/in) 59 N/100 mm (54 oz/in)

Performance properties tested on B-7573 printed with the Brady Series R6400 thermal transfer ribbon. Printed samples were laminated to aluminum and allowed to dwell 24 hours before exposure to the indicated environments.

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
High Service Temperature	30 days at 110°C (230°F) 30 days at 150°C (302°F)	Slight yellowing of label, no visible effect on print Moderate yellowing of label, no visible effect on print
Low Service Temperature	30 days at -40°C (-40°F)	No visible effect
Humidity Resistance	30 days at 37°C (99°F), 95% R.H.	No visible effect
UV Light Resistance	30 days in Q-Sun Xenon Arc tester	Slight yellowing of label, no visible effect on print
Weatherability	ASTM G154 30 days in QUV	No visible effect
Abrasion Resistance	Fed. Std. 191A, Method 5306 Taber Abraser, CS-10 grinding wheels 500 g/arm, 100 cycles	Slight fading, label remains functional

PERFORMANCE PROPERTIES	CHEMICAL RESISTANCE
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Samples were printed with the Brady Series R6400 thermal transfer ribbon. Printed samples were laminated to aluminum and allowed to dwell 24 hours prior to testing. Test conducted at room temperature except where noted. Testing consisted of 5 cycles of 10 minute immersions in the specified test fluid followed by a 30 minute recovery period. After final immersion the samples were rubbed 10 times with cotton swabs saturated with test fluid.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
	WITHOUT RUB	WITH RUB
Methyl Ethyl Ketone	1	1
Toluene	1	1
Dot 4 Brake Fluid	1	1
Petrol Fuel	1	2
Diesel Fuel	1	1
Hyjet IV Hydraulic Fluid	1	3
ASTM #3 Oil	1	3
Mil 5606 Oil	1	1
Skydrol® 500B-4	1	2
Acetone	1	1
LHM Brake Fluid	1	1
Deionized Water	1	1
30% Sodium Hydroxide Solution	1	5
10% Sulfuric Acid Solution	4	5

Rating Scale:

- 1=no visible effect
- 2=slight smear or print removal; detectable but minimal smear
- 3=moderate smear or print removal (print still legible)
- 4=severe smear or print removal
- 5=complete print and/or topcoat removal

Shelf Life:

Shelf life is two years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80° F (27° C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

Trademarks:

ASTM: American Society for Testing and Materials (U.S.A.)
Fed. Spec.: United States Federal Specification (U.S.A.)
Skydrol® is a registered trademark of the Monsanto Company

Note: All values shown are averages and should not be used for specification purposes.

Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

WARRANTY

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

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